

THE ASTROPHYSICAL JOURNAL

Founded in 1895 by George E. Hale and James E. Keeler

HELMUT A. ABT

Managing Editor

Kitt Peak National Observatory

A. DALGARNO

Letters Editor

Center for Astrophysics

EUGENE H. AVRETT

Deputy Letters Editor

Center for Astrophysics

F. DAVID A. HARTWICK

Associate Letters Editor

University of Victoria

MICHAEL JURA

Associate Letters Editor

University of California, Los Angeles

EDWIN E. SALPETER

Associate Letters Editor

Cornell University

AAS PUBLICATIONS BOARD

HUGH M. VAN HORN (1993-1996), *Chairperson*

University of Rochester

JAMES W. LIEBERT (1991-1994)

University of Arizona

KRISTEN SELLGREN (1991-1994)

Ohio State University

H. J. G. L. M. LAMERS (1992-1995)

SRON Laboratory for Space Research,
The Netherlands

SUSAN G. KLEINMANN (1993-1995)

University of Massachusetts

JAMES J. CONDON (1994-1997)

NRAO, Charlottesville, Virginia

JOHN A. NOUSEK (1994-1997)

Pennsylvania State University

Production Manager: TULIE O'CONNOR

Chief Manuscript Editor: GERALDINE BRADY

Manuscript Editors: WALTER G. GLASCOFF III, BETH GARRISON, KAREN LESLIE BOYD, THAD A. DORIA, DAVID E. ANDERSON,
IVAN BRUNETTI, AND DIANA GILLOOLY

Production Staff: KIM LANGFORD, CINDY GARRETT, RICK SCHOEN, CAROLYN B. CHMIEL, AND KELLY PATRICK CRONIN

Cambridge Editorial Office: MARY BURGESS, KATHRYN DUFLO, AND CHRISTOPHER VETTEL

VOLUME 437, PART 2
1994 DECEMBER 10 AND DECEMBER 20

PUBLISHED BY THE UNIVERSITY OF CHICAGO PRESS FOR
THE AMERICAN ASTRONOMICAL SOCIETY

© 1994 BY THE AMERICAN ASTRONOMICAL SOCIETY. ALL RIGHTS RESERVED.
PUBLISHED THREE TIMES A MONTH

COMPOSED BY SANTYPE INTERNATIONAL LIMITED, SALISBURY, ENGLAND
PRINTED BY CAPITAL CITY PRESS, INC.
MONTPELIER, VERMONT, U.S.A.

THE ASTROPHYSICAL JOURNAL LETTERS

CONTENTS OF VOLUME 437, PART 2

1994 DECEMBER 10, Number 1

	<i>Page</i>	<i>Fiche</i>
THE POWER SPECTRUM OF GALAXIES IN THE NEARBY UNIVERSE <i>L. Nicolaci da Costa, Michael S. Vogeley, Margaret J. Geller, John P. Huchra, & Changbom Park</i>	L1	291-B1
THE EVOLUTION OF X-RAY CLUSTERS IN A COLD PLUS HOT DARK MATTER UNIVERSE <i>Greg L. Bryan, Anatoly Klypin, Chris Loken, Michael L. Norman, & Jack O. Burns</i>	L5	291-B8
GRAVITATIONAL COLLAPSE OF SMALL-SCALE STRUCTURE AS THE ORIGIN OF THE LYMAN-ALPHA FOREST <i>Renyue Cen, Jordi Miralda-Escudé, Jeremiah P. Ostriker, & Michael Rauch</i>	L9	291-C1
BIAS AND HIGH-ORDER GALAXY CORRELATION FUNCTIONS IN THE APM GALAXY SURVEY <i>Enrique Gaztañaga & Joshua A. Frieman</i>	L13	291-C8
THE NUCLEAR COLORS AND MORPHOLOGY OF FIELD GALAXIES AT MODERATE REDSHIFT <i>Duncan A. Forbes, Rebecca A. W. Elson, Andrew C. Phillips, Garth D. Illingworth, & David C. Koo</i>	L17	291-D1
STELLAR VELOCITY DISPERSION IN ARP 220 AND NGC 6240: ELLIPTICAL GALAXIES IN FORMATION <i>René Doyon, M. Wells, G. S. Wright, R. D. Joseph, D. Nadeau, & P. A. James</i>	L23	291-D13
THE DISTANCE TO THE PEGASUS DWARF IRREGULAR GALAXY: AN OPEN QUESTION <i>A. Aparicio</i>	L27	291-E6
MICROLENSING MAPS FOR THE GALACTIC BULGE <i>N. W. Evans</i>	L31	291-E14
THE MASERING TORUS IN NGC 4258 <i>Aubrey D. Haschick, Willem A. Baan, & Eric W. Peng</i>	L35	291-F6
HIGH-PRECISION TIMING OF PSR J1713+0747: SHAPIRO DELAY <i>F. Camilo, R. S. Foster, & A. Wolszczan</i>	L39	291-F13
A SEARCH FOR THE RADIO COUNTERPART TO THE 1994 MARCH 1 GAMMA-RAY BURST <i>D. A. Frail, S. R. Kulkarni, K. C. Hurley, G. J. Fishman, C. Kouveliotou, C. A. Meegan, M. Sommer, M. Boer, M. Niel, & T. Cline</i>	L43	291-G6
DENSE STELLAR CORES IN MERGER REMNANTS <i>J. Christopher Mihos & Lars Hernquist</i>	L47	292-A1
VELOCITY CORRELATIONS OF GALAXY CLUSTERS <i>Renyue Cen, Neta A. Bahcall, & Mirt Gramann</i>	L51	292-A8
NEAR-INFRARED IMAGING OF THE JETS AND FLOWS ASSOCIATED WITH HERBIG-HARO OBJECTS HH 91, HH 110, AND HH 111 <i>Christopher J. Davis, Reinhard Mundt, & Jochen Eislöffel</i>	L55	292-B1
THE ABUNDANCE OF INTERSTELLAR OXYGEN TOWARD ORION: EVIDENCE FOR RECENT INFALL? <i>David M. Meyer, M. Jura, Isabel Hawkins, & Jason A. Cardelli</i>	L59	292-C1
ON THE CORRELATION OF SOLAR SURFACE MAGNETIC FLUX WITH SOLAR NEUTRINO CAPTURE RATE <i>David S. Oakley, Herschel B. Snodgrass, Roger K. Ulrich, & Toni L. VanDeKop</i>	L63	292-C7
TWO TYPES OF SLOW SOLAR WIND <i>Y.-M. Wang</i>	L67	292-D1
INSTRUCTIONS TO AUTHORS OF <i>LETTERS</i> , RECENT <i>LETTERS</i> ABSTRACTS, AUTHOR AND SUBJECT INDEXES		<i>Inside Back Cover</i>
INSTRUCTIONS FOR ELECTRONIC MANUSCRIPT SUBMISSION		<i>Back Cover</i>

CONTENTS

1994 DECEMBER 20, Number 2

	<i>Page</i>	<i>Fiche</i>
SIZES OF VOIDS AS A TEST FOR DARK MATTER MODELS <i>Sebastiano Ghigna, Stefano Borgani, Silvio A. Bonometto, Luigi Guzzo, Anatoly Klypin, Joel R. Primack, Riccardo Giovanelli, & Martha P. Haynes</i>	L71	298-E1
FIELD GALAXY EVOLUTION SINCE $z \sim 1$ FROM A SAMPLE OF QSO ABSORPTION-SELECTED GALAXIES <i>Charles C. Steidel, Mark Dickinson, & S. E. Persson</i>	L75	298-E8
SPECTROSCOPY OF THE DOUBLE QUASARS Q1343+266A, B: THE RELATIONSHIP BETWEEN GALAXIES AND C IV ABSORPTION LINES <i>Arlin P. S. Crotts, Jill Bechtold, Yihu Fang, & Robert C. Duncan</i>	L79	298-F1
SPECTROSCOPY OF THE DOUBLE QUASARS Q1343+266A, B: A NEW DETERMINATION OF THE SIZE OF LYMAN-ALPHA FOREST ABSORBERS <i>Jill Bechtold, Arlin P. S. Crotts, Robert C. Duncan, & Yihu Fang</i>	L83	298-F8
COMMON LYMAN-ALPHA ABSORPTION TOWARD THE QUASAR PAIR Q1343+2640A, B: EVIDENCE FOR LARGE AND QUIESCENT CLOUDS <i>Nadine Dinshaw, Chris D. Impey, Craig B. Foltz, Ray J. Weymann, & Frederick H. Chaffee</i>	L87	298-G1
NON-LTE EFFECTS ON THE STRENGTH OF THE LYMAN EDGE IN QUASAR ACCRETION DISKS <i>H. Störzer, P. H. Hauschildt, & F. Allard</i>	L91	298-G8
A SEARCH FOR DIFFUSE H α EMISSION FROM Ly α ABSORPTION CLOUDS TOWARD 3C 273 <i>J. Bland-Hawthorn, K. Taylor, S. Veilleux, & P. L. Shopbell</i>	L95	299-A1
THE DISCOVERY OF FIVE NEW H ₂ O MEGAMASERS IN ACTIVE GALAXIES <i>J. A. Braatz, A. S. Wilson, & C. Henkel</i>	L99	299-A8
LENSING BY COMPACT GROUPS OF GALAXIES <i>C. Mendes de Oliveira & E. Giraud</i>	L103	299-B1
ON THE NATURE OF GAMMA-RAY BURST TIME DILATIONS <i>Ralph A. M. J. Wijers & Bohdan Paczyński</i>	L107	299-B8
SUPER-EDDINGTON RADIATION TRANSFER IN SOFT GAMMA REPEATERS <i>Andrew Ulmer</i>	L111	299-C1
THEORETICAL LIGHT CURVES FOR THE TYPE Ic SUPERNOVA SN 1994I <i>Kohichi Iwamoto, Ken'ichi Nomoto, Peter Höflich, Hirosi Yamaoka, Shiomi Kumagai, & Toshikazu Shigeyama</i>	L115	299-C8
PROBING THE GALACTIC DISK AND HALO: METAL ABUNDANCES IN THE MAGELLANIC STREAM <i>Limin Lu, Blair D. Savage, & Kenneth R. Sembach</i>	L119	299-D1
GASDYNAMICAL APPROACH TO A FACE-ON VIEW OF THE MILKY WAY <i>Keiichi Wada, Yoshiaki Taniguchi, Asao Habe, & Tetsuo Hasegawa</i>	L123	299-D8
VIBRATIONALLY EXCITED CS: A NEW PROBE OF CONDITIONS IN YOUNG PROTOSTELLAR SYSTEMS <i>Christopher K. Walker, Philip R. Maloney, & E. Serabyn</i>	L127	299-E3
INSTRUCTIONS TO AUTHORS OF <i>LETTERS</i> , RECENT <i>LETTERS</i> ABSTRACTS, AUTHOR AND SUBJECT INDEXES		<i>Inside Back Cover</i>
INSTRUCTIONS FOR ELECTRONIC MANUSCRIPT SUBMISSION		<i>Back Cover</i>

